

Appln. No. 10/771,883
Amendment dated September 28, 2007
Reply to Office Action mailed July 3, 2007

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the Application.

Listing of Claims

1. (Canceled)
2. (Canceled)
3. (Previously Presented) The platinum alloy according to claim 9, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.
4. (Previously Presented) The platinum alloy according to claim 9, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.
5. (Canceled)
6. (Canceled)
7. (Previously Presented) The platinum alloy according to claim 9, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.
8. (Previously Presented) The platinum alloy according to claim 9, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

9. (Currently Amended) A platinum alloy consisting essentially of:
55 to 63 wt.% of platinum,
2 to 10 wt.% of cobalt, and
27 to 43 wt.% of copper, and
~~optionally, one or more property enhancing additives, provided the total amount~~
~~of property enhancing additives is less than 5 wt.%,~~ wherein said alloy contains a total
of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group
consisting of palladium, iridium and ruthenium.

10. (Previously Presented) The platinum alloy according to claim 9, wherein
said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing
additives selected from the group consisting of indium and gallium.

11. (Previously Presented) The platinum alloy according to claim 9, wherein
the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,
3.5 to 4.5 wt.% of cobalt, and
35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by one or more property
enhancing additives selected from the group consisting of palladium, iridium and
ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more
property enhancing additives selected from the group consisting of indium and gallium.

12. (Previously Presented) The platinum alloy according to claim 9, wherein a
tensile strength of said alloy is between about 450 to 800 N/mm².

13. (Canceled)

14. (Previously Presented) The platinum alloy according to claim 9, wherein an elongation at break of said alloy is at least 20 %.

15. (Previously Presented) The platinum alloy according to claim 9, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

16-18. (Canceled)

19. (Currently Amended) An ornamental article comprising a platinum alloy, said platinum alloy consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, and

27 to 43 wt.% of copper, and

~~optionally, one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%,~~ wherein said ornamental article is selected from the group consisting of a ring, a necklace, an earring, a watch band, and a watch body.

20-49. (Canceled)

50. (Previously Presented) The platinum alloy according to claim 9, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

51. (Previously Presented) The method according to claim 55, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.

52. (Previously Presented) The method according to claim 55, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.

53. (Previously Presented) The method according to claim 55, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.

54. (Previously Presented) The method according to claim 55, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

55. (Currently Amended) A method of preparing a platinum alloy, comprising the steps of:

providing alloy components, said alloy components consisting essentially of: 55 to 63 wt.% of platinum, 2 to 10 wt.% of cobalt, and 27 to 43 wt.% of copper, ~~and optionally one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%;~~

blending the alloy components together; and

melting the alloy components to form said alloy, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

56. (Previously Presented) The method according to claim 55, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

57. (Previously Presented) The method according to claim 55, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,
wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

58. (Previously Presented) The method according to claim 55, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

59. (Previously Presented) The method according to claim 55, wherein an elongation at break of said alloy is at least 20 %.

60. (Previously Presented) The method according to claim 55, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

61. (Previously Presented) The method according to claim 55, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.

62. (Previously Presented) The ornamental article according to claim 19, wherein said alloy contains 57.5 to 59.9 wt.% of platinum.

63. (Previously Presented) The ornamental article according to claim 19, wherein said alloy contains 58.5 to 59.0 wt.% of platinum.

64. (Previously Presented) The ornamental article according to claim 19, wherein said alloy contains 2.0 to 8.0 wt.% of cobalt.

65. (Previously Presented) The ornamental article according to claim 19, wherein said alloy contains 3.5 to 5.5 wt.% of cobalt.

66. (Currently Amended) An ornamental article comprising a platinum alloy, said platinum alloy consisting essentially of:

55 to 63 wt.% of platinum,

2 to 10 wt.% of cobalt, and

27 to 43 wt.% of copper, and

~~optionally, one or more property enhancing additives, provided the total amount of property enhancing additives is less than 5 wt.%,~~ wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium.

67. (Previously Presented) The ornamental article according to claim 19, wherein said alloy contains a total of 0.001 to 2 wt.% of one or more property enhancing additives selected from the group consisting of indium and gallium.

68. (Previously Presented) The ornamental article according to claim 19, wherein the platinum alloy contains:

57.5 to 59.9 wt.% of platinum,

3.5 to 4.5 wt.% of cobalt, and

35.6 to 39 wt.% of copper,

wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of palladium, iridium and ruthenium, and wherein 0.001 to 2 wt.% of copper may be substituted by one or more property enhancing additives selected from the group consisting of indium and gallium.

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69. (Previously Presented) The ornamental article according to claim 19, wherein a tensile strength of said alloy is between about 450 to 800 N/mm².

70. (Previously Presented) The ornamental article according to claim 19, wherein an elongation at break of said alloy is at least 20 %.

71. (Previously Presented) The ornamental article according to claim 19, wherein a color tone of said alloy corresponds essentially to a platinum white color tone of a PtCu950 alloy.

72. (Previously Presented) The ornamental article according to claim 19, wherein a Vickers hardness of said alloy, measured at soft state, is between about 130 to 210 HV10.